

PATENT COOPERATION TREATY (DKT) JUN - 8 2000

From the INTERNATIONAL SEARCHING AUTHORITY	
To:	
VICTORIA A. SANDBERG	PCT
MUETING, RAASCH & GEBHARDT, P.A.	101
P.O.BOX 581415	COMMUNICATION IN CASES FOR WHICH
MINNEAPOLIS, MN 55458-1415	NO OTHER FORM IS APPLICABLE
	NO OTTIER TORM IS ATTEICABLE
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	Date of Mailing
	(day/month/year) 2005
	(day/month/year) 0 2 JUN 2005
Applicant's or agent's file reference	REPLY DUE
200 0004 022 000 0004	
290.0004 023 240-9004 0 230	See paragraph 1 below
International application No.	
international application No.	International filing date
PCT/US03/39950 V	(day/month/year) 16 December 2003 (16.12.2003)
Applicant	
Портови	
PURDUE RESEARCH FOUNDATION	
1 OND OD REDERING IT CONDITION	
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1 REPLY DUE within months/days from the above day	ate of mailing
	-
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2. COMMUNICATION:	
	diameter YOA (YYO OLD OOOS Y I
Because of a clerical error, the International Search Report (ISR) mailed	d by the ISA/US on 31 January 2005 listed the international
application number as "PCT/US/0339950" instead of "PCT/US03/3995	U." In addition, the applicant's name was listed as "PURDUE
RES. FOUNDATION" instead of "PURDUE RESEARCH FOUNDAT	ION". The Corrected ISR attached hereto corrects these errors.
Copies of references have been previously provided and do not accompa	any the Corrected ISR.
•	
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Name and mailing address of the ISA/US	,
Mail Stop PCT, Attn: ISA/US	Authorized officer
Commissioner for Patents	
	Committee College dut
P.O. Box 1450	Authorized officer Carol Bidwell  CVSudust
	Carol Bidwell Telephone No. 571-272-3279

Form PCT/ISA/224 (January 1994)



From the INTERNATIONAL SEARCHING AUTHORITY

To: Victoria Sandberg Mueting, Raasch and Bebhardt, PA PO Box 581415 Minneapolis, , MN 55458-1415	PCT  NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT				
	OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of Mailing (day/month/year) 0 2 JUN 2005				
Applicant' s or agent's f ile reference 290.0004 023	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No. PCT/US03/39950	International filing date (day/month/year)  16 December 2003 (16.12.2003)				
Applicant PURDUE RESEARCH FOUNDATION	10 December 2003 (10:12:2003)				
1. The applicant is hereby notified that the international search report has been established and is transmitted herewith.  Filing of amendments and statement under Article 19:					
The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):  When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.					
Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35					
For more detailed instructions, see the notes on the ac					
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.					
3. With regard to the protest against payment of (an) additi	onal fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the app	licant will be notified as soon as a decision is made.				
4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.					
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.					
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.					
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.					
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner for Patents  P.O. Box 1450	Authorized officer Maria Mats Jane Zara				

Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)

Telephone No. (703) 308-0196





## PATENT COOPERATION TREATY

**PCT** 

## A INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

290.0004 023	ent's file reference	FOR FURTHER ACTION		CT/ISA/220) as well as, where applicable, item 5
International application PCT/US03/3995		International filing date (day/mont), 16 December 2003 (16.12.2003)	ternational filing date (day/month/year) (Earliest) Priority Date (day/month/year	
Applicant PURDUE RESE	ARCH FOUNDATIO	N		
		prepared by this International Sea g transmitted to the International B		uthority and is transmitted to the applicant
This international	search report consists	of a total of $2$ sheets.		
	It is also accompanied	by a copy of each prior art docum	ent cited	in this report.
	egard to the language, t	he international search was carried or unless otherwise indicated under thi		basis of the international application in the
Auth b. With re	ority (Rule 23.1(b)). egard to any nucleotide			international application furnished to this international application, the international
conta	ined in the internationa	l application in written form.		
filed	together with the intern	ational application in computer read	able form	
furni	shed subsequently to thi	s Authority in written form.		
furni	shed subsequently to thi	s Authority in computer readable for	rm.	
. —	tatement that the subsequational application as f	uently furnished written sequence lisiled has been furnished.	ting does	not go beyond the disclosure in the
_	atement that the inform furnished.	ation recorded in computer readable	form is i	dentical to the written sequence listing has
2. Certa	ain claims were found	unsearchable (See Box I).		
	of invention is lackin	g (See Box II).		
4. With regard to				
	ext is approved as submi	• • •		
the te	xt has been established	by this Authority to read as follows:		
5. With regard to	the abstract,			
the te	xt is approved as submi	tted by the applicant.		
the te	xt has been established,	according to Rule 38.2(b), by this A	Authority	as it appears in Box III. The applicant may,
within	one month from the d	ate of mailing of this international se	arch repo	ort, submit comments to this Authority.
6. The figure of	the drawings to be publ	lished with the abstract is Figure No	·	• •
	ggested by the applicant			None of the figures
becau	se the applicant failed to	o suggest a figure.		
becau	se this figure better cha	racterizes the invention.		
	first sheet) (July 1008)			



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/39950

	·					
A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : C12Q 1/68; C12P 19/34; C12N 15/88; C07H 21/02; 21/04; A01N 43/04						
US CL	: 435/6, 91.1, 91.31, 458; 536/24.31, 23.1, 24.					
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/6, 91.1, 91.31, 458; 536/24.31, 23.1, 24.5; 514/44						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) West, Dialog						
	UMENTS CONSIDERED TO BE RELEVANT	· · · ·				
Category *	Citation of document, with indication, where		Relevant to claim No.			
Y	ZHANG, C. et al., Use of circular permutation to assess six bulges and four loops of DNA-packaging pRNA of bacteriophage 29, RNA, Vol. 3, pages 315-323, 1997, esp. abstract on p. 315, fig. 1 on p. 316, text on p. 317, fig. 3 on p. 320.					
Y	WADA, T. et al., Peptide ribonucleic acids (PRNA of DNA recognition through borate ester formation 2000, pages 6900-6910, esp. text on pp. 6900-6901	1-27				
Y	US 6,448,083 B1 (LAROCCA et al) 10 Sept. 2002	1-27				
Further	documents are listed in the continuation of Box C.	See patent family annex.				
"A" document	ecial categories of cited documents:  defining the general state of the art which is not considered to be ar relevance	"T" later document published after the inter- date and not in conflict with the applica principle or theory underlying the inven	tion but cited to understand the			
"E" earlier app	dication or patent published on or after the international filing date	"X" document of particular relevance; the cl considered novel or cannot be considered when the document is taken alone				
	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as "Y" document of particular relevance; the claimed invention cannot					
	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the				
priority da	P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed					
	Date of the actual completion of the international search  Date of mailing of the international search report					
08 January 2005 (08.01.2005)  Name and mailing address of the ISA/US  Authorized officer						
	Stop PCT, Attn: ISA/US	Authorized officer Marie	1 war			
Commissioner for Patents  Jane Zara						
P.O. Box 1450						
Alexandria, Virginia 22313-1450   1 elepnone No. (703) 308-0196  Facsimile No. (703) 305-3230						
	(703) 305-3230					

Form PCT/ISA/210 (second sheet) (July 1998)